



OTN Offense Tracking Number Range Request

Reference: 06-13-2006

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Document Control

Version History

Version	Date	Comments
1.0	05-17-2005	First release
1.0.1	05-05-2006	Add DUI Citation
1.0.2	06-13-2006	Add citation prefix, requester type, range request

Changes Since Last Version

To be notified when changes are made to this document, please send an email to: msadler@utah.gov stating you would like notification whenever the OTN documentation has changed.

Added the ability to request citation prefix, range of numbers, specify requestor type (agency or user).

Issue Control

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1 Introduction

1.1.1 This Document

A desire/need exists to retrieve a range of offense tracking numbers (OTN -generally used on 10-print fingerprint cards) and citation numbers (used for single print citations) from a central repository, to be used in software that issues citations or prints 10-print fingerprint cards. OTNs and citations numbers are used to uniquely identify an arrest event. OTNs are numeric. Citations begin with an alpha character with the rest of the citation number being numeric. DUI citations start with a "D" prefix. Max length for both are 10 digits. Both DUI and regular citation number can be requested. This document describes the web services, XML specifications and transactions for obtaining a range of OTNs or citations.

1.1.2 Objectives

The main objectives of this document are:

- To provide a concise list of the XML elements to be used to retrieve citation numbers.
- To describe the software based specifications required for the Architecture.
- To define the transactions to be submitted.

1.1.3 Audience of this Document

The application's representatives, the Local Law Enforcement users and development teams, and vendors of systems accessing UCJIS for law enforcement agencies comprise the main audience of this document.

1.1.4 Related Documents

Doc. Type	Title	Reference	Signature Date	Status
Word document	UCJIS XMLConduit Web Service	Mike Sadler	10/13/2005	V.1
Web page	http://it.ojp.gov/jxdd/	Global Justice XML Specifications		V.3.0
Excel spreadsheet	Jxdds-3.0.xls	Global Justice XML elements		V.3.0

Word document	DPS Encryption Strategy within XML Documents	Mike Sadler	07/13/2005	V.1.1
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2 Architecture

The architecture herein described supports obtaining a range of OTN/citation numbers from the Utah Criminal Justice Information System (UCJIS). Data is to be shared using standard web services/SOAP message formatting over HTTPs (SSL). The body of SOAP messages contains XML documents pertaining to messages.

Web services are designed to overcome the problems associated with proprietary network protocols. A core set of specifications that together make up Web Services are XML, SOAP, and WSDL. The Extensible Markup Language (XML) is a W3C standard for defining data using a simplified syntax similar to the Standard Generalized Markup Language (SGML). XML is fast becoming the de facto standard for defining data and documents used in Internet-based transactions, and it is used to define SOAP.

Simple Object Access Protocol (SOAP) is a specification that incorporates the most important features of the Distributed Component Object Model (DCOM) and Remote Method Invocation (RMI) into a light-weight XML message that can be used to transmit data over HTTP. SOAP, however, is not limited to just HTTP; it can be used in combination with a variety of protocols, depending upon the business requirements.

Web Services Description Language (WSDL) is an XML format for describing Web Services, as a set of endpoints – or ports – which operate on messages sent over the network. This document assumes that the ongoing reader already has a sufficient background in the web service technologies and implementation options available in his or her development tool(s) of choice.

The specifications are comprised of standards-based protocols and messaging technologies that constitute a best-business-practices solution. At the core of the framework is Extensible Markup Language (XML). Within the framework, XML becomes the messaging format.

The integration framework packages compliant XML within messages that are distributed to the destination node (endpoint) for processing. The messaging infrastructure is comprised of the Simple Object Access Protocol (SOAP) over the Hyper-Text Transfer Protocol (HTTP). To encrypt the data as it traverses the state wide area network (WAN) or internet, secure socket layer (SSL) will be used. Certain elements (logon, password) within the XML document may also be further encrypted.

To query the DPS system, a properly formatted XML document encapsulated in SOAP will be sent to the DPS web services server. The DPS web services server will determine what type of transaction is being performed by evaluating the attribute values of type and class in the DocumentDescriptor element. Logical branching will take place depending on the values and the appropriate method invoked.

3 Node Framework Implementation

To implement an XML OTN/Citation request the following requirements should be met:

- The information to be shared must be formatted according to the XML specifications listed in this document.
- To send requests, a requesting system should have the ability to invoke the web service method over HTTPs on a remote system to pass properly formatted XML as a string, encapsulated in a SOAP envelope, and receive string responses.

4 Transaction Descriptions

Below is transaction descriptions/flow:

To request a range of OTNs/citation numbers from the UCJIS system a properly formatted XML document will be sent to the DPS web services server. A range of OTNs/citation numbers to be used/available for an individual or agency will be returned, depending on the requestor type. The number range is inclusive. The number of OTN/citations can be requested – max for a user is 500 in increments of 100, max for an agency is 50,000 in blocks of 500. Only agencies can request OTN numbers. Citation prefix can also be specified if regular citations are requested, excluding “D”. If DUI citations are requested, the prefix is fixed at “D”.

Special processing:

In an effort to ensure valid OTNs and citations through the criminal justice process, a check digit must be added on to each OTN or citation number as it is used. (Citations, which begin with an alpha character, will not use the alpha character in the following process.) Below is the algorithm to be used:

The Weighted Modulus 10 Self-Check Digit System

Why the MOD 10 Weighted Self-Checking System?

- ✓ First, this system detects 100% of all single digit substitution errors, the most frequently made type of error.
- ✓ Second, this verification system is the most common system used in key entry devices.

The Weighted Modulus 10 Self-Check Digit System is the most effective method available for preventing key entry error. “Weighting” is the term used to describe the multiplication of each digit in the basic number by a specified multiplier.

Example:

Base Number	4 2 9 1 3
Weighting Factor (Multiplier)	<u>2 1 2 1 2</u> **

Products

8 2 18 1 6

26

Cross add each digit in the products

$$8+2+1+8+1+6 =$$

NOTE: If a digit (i.e. 5, 6, 7, 8, 9) in the base number when multiplied by 2 will result in a 2-digit product, the individual digits of the product must be added.

Example: $6 \times 2 = 12$ Cross add as $1+2$

Subtract from next highest multiple of 10

$$30 - 26 = 4$$

The Check Digit is:

4

NOTE: If the product is a multiple of 10 the Check Digit is 0

** Number 2 must always be placed under the unit digit of the consecutive number (farthest right-hand digit)

5 Response Codes

The ResponseStatus codes used in UCJIS XML documents are roughly based on HTTP 1.1 Status Codes. A normal success response will contain a 200 ResponseStatusCode and "OK" ResponseStatusDescription.

Success 2xx

- 200 OK**
- 201 Created
- 202 Accepted
- 203 Non-Authoritative Information
- 204 No Content
- 205 Reset Content
- 206 Partial Content

Redirection 3xx

- 300 Multiple Choices
- 301 Moved Permanently
- 302 Found
- 303 See Other
- 304 Not Modified
- 305 Use Proxy
- 306 (Unused)
- 307 Temporary Redirect

Client Error 4xx

- 400 Bad Request
- 401 Unauthorized
- 402 Payment Required
- 403 Forbidden
- 404 Not Found**
- 405 Method Not Allowed
- 406 Not Acceptable
- 407 Proxy Authentication Required
- 408 Request Timeout
- 409 Conflict
- 410 Gone
- 411 Length Required
- 412 Precondition Failed
- 413 Request Entity Too Large
- 414 Request-URI Too Long
- 415 Unsupported Media Type
- 416 Requested Range Not Satisfiable
- 417 Expectation Failed

Server Error 5xx

- 500 Internal Server Error

Appendix A: Transaction XML Specifications

Below are XML elements to be used to obtain an OTN/Citation range.

(Notes: Not all elements may be available to return. Whitespace (CR/LF, tabs, etc.) are included in this document for readability but should not be transmitted.) Empty elements should not be transmitted unless the fact they are empty is relevant.

Element	Min-Max	Comments
<code>udps:UDPSXML</code>	1 - 1	Root element
<code>-udps:DocumentDescriptor</code>	1 - 1	Describes the transaction type and class of transaction. This element is used in all DPS transactions. Logical branching can take place when initially parsing the XML to invoke different processing methods based on the type and class. Attributes for this element include: "type" - mandatory, the type of transaction that is being executed. "class" - mandatory - within the type of transaction, what kind of action is to be performed. "authenticator" - optional, used by the DPS server to decide what authenticating functions should be performed. Default value for this attribute if it does not exist is "UCJIS". "routingCode" - mandatory, used to select which system should service the database functions for this transaction. Options are: "L" - local, "1" - NCIC, "2" - III, "6" - NICS, "M" - NLETS.
<code>@type</code>	1 - 1	The type of transaction that is being executed. Values for this transaction: OTN, OTNResponse
<code>@class</code>	1 - 1	Within the type of transaction, what kind of action is to be performed. Values: "OTNRangeRequest", "CitationRangeRequest", "DUICitationRangeRequest".

@authenticator	1 - 1	Used by the DPS server to decide what authenticating functions should be performed. Value: "UCJIS"
@routingCode	1 - 1	Used to select which system should service the database functions for this transaction. Value: "L"
-udps:Header	1 - 1	Parent element for administrative elements.
--udps:Version	1 - 1	What version of specifications are being used in this XML document. Currently at 3.0.
--udps:System	1 - 1	Host computer system name that is conducting the transaction. Value is assigned by DPS in conjunction with the agency. Currently using the IP address of the host system.
---j:ID	1 - 1	Identifier.
--udps:TransactionID	1 - 1	A unique identifier for this transaction
---j:ID	1 - 1	Identifier.
--udps:Submitter	1 - 1	Transaction specific. Person that is submitting the transaction
---udps:UDPSAgency	1 - 1	DPS assigned agency identifier of person that is submitting the transaction.
----j:ID	1 - 1	Identifier.
---udps:UDPSAuthentication	1 - 1	Parent element for logon ID and password.
----udps:UDPSLogon	1 - 1	DPS assigned logon ID. Contains two attributes: "encrypted" - mandatory, value is "true", indicates that the element value of the logon ID is encrypted. "source" - mandatory, names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm.
@encrypted	1 - 1	Indicates that the element value of the logon ID is encrypted. Value: "true"
@source	1 - 1	Names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm

----udps:UDPSPassword	1 - 1	Password for this user. Contains two attributes: "encrypted" - mandatory, value is "true", indicates that the element value of the password is encrypted. "source" - mandatory, names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm.
@encrypted	1 - 1	Indicates that the element value of the password is encrypted. Value: "true"
@source	1 - 1	Names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm
--udps:InitiatingAgency	1 - 1	Transaction specific. The agency that is initiating the transaction.
---j:Agency	1 - 1	Parent element for submitting agency information.
----j:OrganizationORIID	1 - 1	ORI of sending agency.
-----j:ID	1 - 1	Identifier.
--udps:Destinations	1 - 1	Parent element for the intended destination(s) of the transaction.
---udps:Destination	1 - 1	Transaction specific. Parent element for an intended destination of the transaction.
----j:Agency	1 - 1	Parent element for destination agency information.
-----j:OrganizationID	1 - 1	An identifier of the submitting agency. For example, this could contain a State code.
-----j:ID	1 - 1	Identifier. For this transaction: UT
-udps:TransactionParameters	1 - 1	Parent element containing the XML specific for each transaction.
--udps:OTNCitationRequestorType	1 - 1	Type of requestor – "AGENCY" if the block of OTNs/Citations are for an agency, "USER" if the block of Citations is for a user. "USER" cannot request OTNs.
--udps:OTNCitationRangeRequest	1 - 1	If a block of OTNs are being requested, an amount up to 50,000 may be requested, in blocks of 500. If a number not divisible by 500 is requested, the amount will be rounded down to the nearest amount divisible by 500. If a block of citations is being requested, if the

		requestor type = 'AGENCY', an amount up to 50,000 may be requested, in blocks of 500. If a number not divisible by 500 is requested, the amount will be rounded down to the nearest amount divisible by 500. If the requestor type = 'USER", an amount up to 500 may be requested, in blocks of 100. If the number requested is not divisible by 100 the amount will be rounded down to the nearest amount divisible by 100. If an amount greater than the limit for either agency or user is requested, the max values will be returned.
--udps:OTNCitationPrefix	0 - 1	Citation prefix being requested. If this element does not exist, the prefix (at this time) will be "R". Cannot be "D", which is reserved for DUI citations. (This element should exist for DUICitation requests.)
-udps:Response	Conditional 1 - 1	Details about a response to a transaction. Required (and only available) when responding to a message.
--udps:ResponseDate	1 - 1	Date of response - CCYY-MM-DD
--udps:ResponseTime	1 - 1	Time of response - HH:MM:SS
--udps:ResponseStatus	1 - 1	Details about the response status. Parent element for status code and description.
---udps:ResponseStatusCode	1 - 1	A response code roughly based on HTTP 1.1 Status Codes. A normal success response will contain a 200 ResponseStatusCode and "OK" ResponseStatusDescription.
---udps:ResponseStatusDescription	1 - 1	A response description roughly based on HTTP 1.1 Status Codes Descriptions. A normal success response will contain a 200 ResponseStatusCode and "OK" ResponseStatusDescription.

--udps:JusticeXML	Conditional 1 - 1	Details containing response XML. Required (and only available) on all responses. If an error, the element will exist but will be empty.
---udps:OTNCitationRange	Conditional 1 - 1	Parent element for range of numbers to be used for OTNs or citations. Only available on successful response
@rangeType	1 - 1	Values for this attribute are: "OTN" or "Citation".
----udps:BeginningRangeValue	1 - 1	Beginning value of the range of OTNs or citations.
----udps:EndingRangeValue	1 - 1	Ending value of the range of OTNs or citations.

A.1 OTN Range Request

OTNs(Offense Tracking Number) are used for 10-print fingerprint cards. For single-print citations, use the CitationRangeRequest value for the udps:DocumentDescriptor class attribute.

List of empty query elements:

(Note: The class attribute of DocumentDescriptor will vary, depending on if a range of OTNs are being requested or a range of citations.)

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns:udps="http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
<udps:DocumentDescriptor type="OTN" class="OTNRangeRequest"/>
<udps:Header>
<udps:Version>3.0</udps:Version>
<udps:System>
<j:ID/>
</udps:System>
<udps:TransactionID>
<j:ID/>
</udps:TransactionID>
<udps:Submitter>
<udps:UDPSAgency>
<j:ID/>
</udps:UDPSAgency>
<udps:UDPSAuthentication>
<udps:UDPSLogon encrypted="true" source=""/>
<udps:UDPSPassword encrypted="true" source=""/>
</udps:UDPSAuthentication>
</udps:Submitter>
<udps:InitiatingAgency>
<j:Agency>
<j:OrganizationORIID>
<j:ID/>
</j:OrganizationORIID>
</j:Agency>
</udps:InitiatingAgency>
<udps:Destination>
<j:Agency>
<j:OrganizationID>
<j:ID>UT</j:ID>
</j:OrganizationID>
</j:Agency>
</udps:Destination>
</udps:Header>
<udps:TransactionParameters>
<udps:OTNCitationRequestorType/>
<udps:OTNCitationRangeRequest/>
</udps:TransactionParameters>
</udps:UDPSXML>
```


A.1.1 OTN Range Request - Sample Data

With sample data:

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:udps="
http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
<udps:DocumentDescriptor type="OTN" class="OTNRangeRequest" authenticator="UCJIS" routingCode="L"/>
<udps:Header>
  <udps:Version>3.0</udps:Version>
  <udps:System>
    <j:ID>168.178.180.65</j:ID>
  </udps:System>
  <udps:TransactionID>
    <j:ID>12378</j:ID>
  </udps:TransactionID>
  <udps:Submitter>
    <udps:UDPSAgency>
      <j:ID>DPSMIS</j:ID>
    </udps:UDPSAgency>
    <udps:UDPSAuthentication>
      <udps:UDPSLogon encrypted="true" source="TransactionParameters">asdf93Kadsf3</udps:UDPSLogon>
      <udps:UDPSPassword encrypted="true" source="TransactionParameters">j;3244(sfsdf82</udps:UDPSPassword>
    </udps:UDPSAuthentication>
  </udps:Submitter>
  <udps:InitiatingAgency>
    <j:Agency>
      <j:OrganizationORIID>
        <j:ID>UTTESTORI</j:ID>
      </j:OrganizationORIID>
    </j:Agency>
  </udps:InitiatingAgency>
  <udps:Destinations>
    <udps:Destination>
      <j:Agency>
        <j:OrganizationID>
          <j:ID>UT</j:ID>
        </j:OrganizationID>
      </j:Agency>
    </udps:Destination>
  </udps:Destinations>
</udps:Header>
<udps:TransactionParameters>
  <udps:OTNCitationRequestorType>AGENCY </udps:OTNCitationRequestorType>
  <udps:OTNCitationRangeRequest>50000</udps:OTNCitationRangeRequest>
</udps:TransactionParameters>
</udps:UDPSXML>
```

A.1.2 OTN Request Response – Error Response

Responses will contain the initial query with the response appended on to it.

Sample response message containing error. Note that DocumentDescriptor attribute “type” has been changed to reflect it is a response:

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:udps="
http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
<udps:DocumentDescriptor type="OTNResponse" class="OTNRangeRequest" authenticator="UCJIS" routingCode="L"/>
<udps:Header>
  <udps:Version/>
  <udps:System>
    <j:ID/>
  </udps:System>
  <udps:TransactionID>
    <j:ID/>
  </udps:TransactionID>
  <udps:Submitter>
    <udps:UDPSAgency>
      <j:ID/>
    </udps:UDPSAgency>
    <udps:UDPSAuthentication>
      <udps:UDPSLogon encrypted="" source=""/>
      <udps:UDPSPassword encrypted="" source=""/>
    </udps:UDPSAuthentication>
  </udps:Submitter>
  <udps:InitiatingAgency>
    <j:Agency>
      <j:OrganizationORIID>
        <j:ID/>
      </j:OrganizationORIID>
    </j:Agency>
  </udps:InitiatingAgency>
  <udps:Destinations>
    <udps:Destination>
      <j:Agency>
        <j:OrganizationID>
          <j:ID/>
        </j:OrganizationID>
      </j:Agency>
    </udps:Destination>
  </udps:Destinations>
</udps:Header>
<udps:TransactionParameters>
  <udps:OTNCitationRequestorType/>
  <udps:OTNCitationRangeRequest/>
</udps:TransactionParameters>
<udps:Response>
  <udps:ResponseDate/>
  <udps:ResponseTime/>
  <udps:ResponseStatus>
```

```
<!--If ResponseStatusCode contains an error, the JusticeXML element will be empty.-->  
<udps:ResponseStatusCode/>  
<udps:ResponseStatusDescription/>  
</udps:ResponseStatus>  
<udps:JusticeXML/>  
</udps:Response>  
</udps:UDPSXML>
```

A.1.2.1 OTN Request Response – Error Response With Data

Sample error response with data:

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:udps="
http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
<udps:DocumentDescriptor type="OTNResponse" class="OTNRangeRequest" authenticator="UCJIS" routingCode="L"/>
<udps:Header>
  <udps:Version>3.0</udps:Version>
  <udps:System>
    <j:ID>168.178.180.65</j:ID>
  </udps:System>
  <udps:TransactionID>
    <j:ID>12378</j:ID>
  </udps:TransactionID>
  <udps:Submitter>
    <udps:UDPSAgency>
      <j:ID>DPSMIS</j:ID>
    </udps:UDPSAgency>
    <udps:UDPSAuthentication>
      <udps:UDPSLogon encrypted="true" source="TransactionParameters">asdf93Kadsf3</udps:UDPSLogon>
      <udps:UDPSPassword encrypted="true" source="TransactionParameters">j;3244(sfsdf82</udps:UDPSPassword>
    </udps:UDPSAuthentication>
  </udps:Submitter>
  <udps:InitiatingAgency>
    <j:Agency>
      <j:OrganizationORIID>
        <j:ID>UTTESTORI</j:ID>
      </j:OrganizationORIID>
    </j:Agency>
  </udps:InitiatingAgency>
  <udps:Destinations>
    <udps:Destination>
      <j:Agency>
        <j:OrganizationID>
          <j:ID>UT</j:ID>
        </j:OrganizationID>
      </j:Agency>
    </udps:Destination>
  </udps:Destinations>
</udps:Header>
<udps:TransactionParameters>
  <udps:OTNCitationRequestorType>AGENCY </udps:OTNCitationRequestorType>
  <udps:OTNCitationRangeRequest>50000</udps:OTNCitationRangeRequest>
</udps:TransactionParameters>
<udps:Response>
  <udps:ResponseDate>2004-10-05</udps:ResponseDate>
  <udps:ResponseTime>13:05:23</udps:ResponseTime>
  <udps:ResponseStatus>
    <udps:ResponseStatusCode>535</udps:ResponseStatusCode>
    <udps:ResponseStatusDescription>Database communication error</udps:ResponseStatusDescription>
```

```
</udps:ResponseStatus>  
<udps:JusticeXML/>  
</udps:Response>  
</udps:UDPSXML>
```

A.1.3 Citation Range Request

(Note: The class attribute of DocumentDescriptor will vary, depending on if a range of OTNs are being requested or a range of citations. In this instance, a range of citations is being requested.)

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns:udps="http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
<udps:DocumentDescriptor type="OTN" class="CitationRangeRequest" authenticator="UCJIS" routingCode="L"/>
<udps:Header>
<udps:Version>3.0</udps:Version>
<udps:System>
<j:ID/>
</udps:System>
<udps:TransactionID>
<j:ID/>
</udps:TransactionID>
<udps:Submitter>
<udps:UDPSAgency>
<j:ID/>
</udps:UDPSAgency>
<udps:UDPSAuthentication>
<udps:UDPSLogon encrypted="true" source=""/>
<udps:UDPSPassword encrypted="true" source=""/>
</udps:UDPSAuthentication>
</udps:Submitter>
<udps:InitiatingAgency>
<j:Agency>
<j:OrganizationORIID>
<j:ID/>
</j:OrganizationORIID>
</j:Agency>
</udps:InitiatingAgency>
<udps:Destination>
<j:Agency>
<j:OrganizationID>
<j:ID>UT</j:ID>
</j:OrganizationID>
</j:Agency>
</udps:Destination>
</udps:Header>
<udps:TransactionParameters>
</udps:OTNCitationRequestorType>
</udps:OTNCitationRangeRequest>
</udps:OTNCitationPrefix>
</udps:TransactionParameters>
</udps:UDPSXML>
```

A.1.4 DUI Citation Range Request

(Note: The class attribute of DocumentDescriptor will vary, depending on if a range of OTNs are being requested or a range of citations. In this instance, a range of citations is being requested.)

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns:udps="http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
<udps:DocumentDescriptor type="OTN" class="DUICitationRangeRequest" authenticator="UCJIS" routingCode="L"/>
<udps:Header>
  <udps:Version>3.0</udps:Version>
  <udps:System>
    <j:ID/>
  </udps:System>
  <udps:TransactionID>
    <j:ID/>
  </udps:TransactionID>
  <udps:Submitter>
    <udps:UDPSAgency>
      <j:ID/>
    </udps:UDPSAgency>
    <udps:UDPSAuthentication>
      <udps:UDPSLogon encrypted="true" source=""/>
      <udps:UDPSPassword encrypted="true" source=""/>
    </udps:UDPSAuthentication>
  </udps:Submitter>
  <udps:InitiatingAgency>
    <j:Agency>
      <j:OrganizationORIID>
        <j:ID/>
      </j:OrganizationORIID>
    </j:Agency>
  </udps:InitiatingAgency>
  <udps:Destination>
    <j:Agency>
      <j:OrganizationID>
        <j:ID>UT</j:ID>
      </j:OrganizationID>
    </j:Agency>
  </udps:Destination>
</udps:Header>
<udps:TransactionParameters>
  <udps:OTNCitationRequestorType/>
  <udps:OTNCitationRangeRequest/>
</udps:TransactionParameters>
</udps:UDPSXML>
```

A.1.5 OTN Request Response – Response Elements

Full XML (all elements) that can be returned.

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:udps="
http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
  <udps:DocumentDescriptor type="OTNResponse" class="OTNRangeRequest" authenticator="UCJIS" routingCode="L"/>
  <udps:Header>
    <udps:Version>3.0</udps:Version>
    <udps:System>
      <j:ID>168.178.180.65</j:ID>
    </udps:System>
    <udps:TransactionID>
      <j:ID>12378</j:ID>
    </udps:TransactionID>
    <udps:Submitter>
      <udps:UDPSAgency>
        <j:ID>DPSMIS</j:ID>
      </udps:UDPSAgency>
      <udps:UDPSAuthentication>
        <udps:UDPSLogon encrypted="true" source="TransactionParameters">asdf93Kadsf3</udps:UDPSLogon>
        <udps:UDPSPassword encrypted="true"
source="TransactionParameters">j;3244(sfsdf82</udps:UDPSPassword>
        </udps:UDPSAuthentication>
      </udps:Submitter>
      <udps:InitiatingAgency>
        <j:Agency>
          <j:OrganizationORIID>
            <j:ID>UTTESTOR</j:ID>
          </j:OrganizationORIID>
        </j:Agency>
      </udps:InitiatingAgency>
      <udps:Destinations>
        <udps:Destination>
          <j:Agency>
            <j:OrganizationID>
              <j:ID>UT</j:ID>
            </j:OrganizationID>
          </j:Agency>
        </udps:Destination>
      </udps:Destinations>
    </udps:Header>
    <udps:TransactionParameters>
      <udps:OTNCitationRequestorType>AGENCY </udps:OTNCitationRequestorType>
      <udps:OTNCitationRangeRequest>50000</udps:OTNCitationRangeRequest>
    </udps:TransactionParameters>
    <udps:Response>
      <udps:ResponseDate>2004-10-05</udps:ResponseDate>
      <udps:ResponseTime>13:05:23</udps:ResponseTime>
      <udps:ResponseStatus>
```

```
<udps:ResponseStatusCode>200</udps:ResponseStatusCode>
  <udps:ResponseStatusDescription>OK</udps:ResponseStatusDescription>
</udps:ResponseStatus>
<udps:JusticeXML>
  <udps:OTNCitationRange rangeType="OTN">
    <udps:BeginningRangeValue>3000000</udps:BeginningRangeValue>
    <udps:EndingRangeValue>3049999</udps:EndingRangeValue>
  </udps:OTNCitationRange>
</udps:JusticeXML>
</udps:Response>
</udps:UDPSXML>
```

A.1.6 Citation Request Response – Response Elements

Full XML (all elements) that can be returned.

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:udps="
http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
  <udps:DocumentDescriptor type="OTNResponse" class="CitationRangeRequest" authenticator="UCJIS"
routingCode="L"/>
  <udps:Header>
    <udps:Version>3.0</udps:Version>
    <udps:System>
      <j:ID>168.178.180.65</j:ID>
    </udps:System>
    <udps:TransactionID>
      <j:ID>12378</j:ID>
    </udps:TransactionID>
    <udps:Submitter>
      <udps:UDPSAgency>
        <j:ID>DPSMIS</j:ID>
      </udps:UDPSAgency>
      <udps:UDPSAuthentication>
        <udps:UDPSLogon encrypted="true" source="TransactionParameters">asdf93Kadsf3</udps:UDPSLogon>
        <udps:UDPSPassword encrypted="true"
source="TransactionParameters">j;3244(sfsdf82</udps:UDPSPassword>
</udps:UDPSAuthentication>
      </udps:Submitter>
      <udps:InitiatingAgency>
        <j:Agency>
          <j:OrganizationORIID>
            <j:ID>UTTESTORI</j:ID>
          </j:OrganizationORIID>
        </j:Agency>
      </udps:InitiatingAgency>
      <udps:Destinations>
        <udps:Destination>
          <j:Agency>
            <j:OrganizationID>
              <j:ID>UT</j:ID>
            </j:OrganizationID>
          </j:Agency>
        </udps:Destination>
      </udps:Destinations>
    </udps:Header>
    <udps:TransactionParameters>
      <udps:OTNCitationRequestorType>USER</udps:OTNCitationRequestorType>
      <udps:OTNCitationRangeRequest>500</udps:OTNCitationRangeRequest>
      <udps:OTNCitationPrefix>K</udps:OTNCitationPrefix>
    </udps:TransactionParameters>
    <udps:Response>
      <udps:ResponseDate>2004-10-05</udps:ResponseDate>
    </udps:Response>
  </udps:UDPSXML>

```

```
<udps:ResponseTime>13:05:23</udps:ResponseTime>
<udps:ResponseStatus>
  <udps:ResponseStatusCode>200</udps:ResponseStatusCode>
  <udps:ResponseStatusDescription>OK</udps:ResponseStatusDescription>
</udps:ResponseStatus>
<udps:JusticeXML>
  <udps:OTNCitationRange rangeType="Citation">
    <udps:BeginningRangeValue>K000500</udps:BeginningRangeValue>
    <udps:EndingRangeValue>K000999</udps:EndingRangeValue>
  </udps:OTNCitationRange>
</udps:JusticeXML>
</udps:Response>
</udps:UDPSXML>
```

A.1.7 DUI Citation Request Response – Response Elements

Full XML (all elements) that can be returned.

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:udps="
http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
  <udps:DocumentDescriptor type="OTNResponse" class="DUICitationRangeRequest" authenticator="UCJIS"
routingCode="L"/>
  <udps:Header>
    <udps:Version>3.0</udps:Version>
    <udps:System>
      <j:ID>168.178.180.65</j:ID>
    </udps:System>
    <udps:TransactionID>
      <j:ID>12378</j:ID>
    </udps:TransactionID>
    <udps:Submitter>
      <udps:UDPSAgency>
        <j:ID>DPSMIS</j:ID>
      </udps:UDPSAgency>
      <udps:UDPSAuthentication>
        <udps:UDPSLogon encrypted="true" source="TransactionParameters">asdf93Kadsf3</udps:UDPSLogon>
        <udps:UDPSPassword encrypted="true"
source="TransactionParameters">j;3244(sfsdf82</udps:UDPSPassword>
</udps:UDPSAuthentication>
      </udps:Submitter>
      <udps:InitiatingAgency>
        <j:Agency>
          <j:OrganizationORIID>
            <j:ID>UTTESTORI</j:ID>
          </j:OrganizationORIID>
        </j:Agency>
      </udps:InitiatingAgency>
      <udps:Destinations>
        <udps:Destination>
          <j:Agency>
            <j:OrganizationID>
              <j:ID>UT</j:ID>
            </j:OrganizationID>
          </j:Agency>
        </udps:Destination>
      </udps:Destinations>
    </udps:Header>
    <udps:TransactionParameters>
      <udps:OTNCitationRequestorType>USER</udps:OTNCitationRequestorType>
      <udps:OTNCitationRangeRequest>500</udps:OTNCitationRangeRequest>
    </udps:TransactionParameters>
    <udps:Response>
      <udps:ResponseDate>2004-10-05</udps:ResponseDate>
      <udps:ResponseTime>13:05:23</udps:ResponseTime>
```

```
<udps:ResponseStatus>
  <udps:ResponseStatusCode>200</udps:ResponseStatusCode>
  <udps:ResponseStatusDescription>OK</udps:ResponseStatusDescription>
</udps:ResponseStatus>
<udps:JusticeXML>
  <udps:OTNCitationRange rangeType="DUICitation">
    <udps:BeginningRangeValue>D10000500</udps:BeginningRangeValue>
    <udps:EndingRangeValue>D10000999</udps:EndingRangeValue>
  </udps:OTNCitationRange>
</udps:JusticeXML>
</udps:Response>
</udps:UDPSXML>
```

Glossary of Terms

The acronyms or concepts that could be used within this document are the following:

Acronym	Description
API	Acronym for "Application Program Interface"
Application	Collection of integrated software units, which accomplish a major function. An application could have more than one software unit.
BCI	Acronym for "Bureau of Criminal Identification"
CAD	Computer Aided Dispatch
CS	Cold Standby. Weakest form of High Availability: replicas are entirely initialized subsequent to failures.
DHCP	Acronym for "Dynamic Host Configuration Protocol". A technology for dynamically assigning and maintaining leases on IP addresses to hosts on a subnet.
DMZ	De-Militarized Zone. A segment of a LAN that is granted access to external hosts, typically considered quite insecure. A DMZ is typically segregated from "protected" hosts via firewall.
DOM	Acronym for "Document Object Model" a tree-based parsing specification for XML
DPS	Acronym for "Department Of Public Safety"
Firewall	A device for segregating host resources on a LAN between trusted and un-trusted access.
HA	High Availability. Automatic masking of unplanned outages: Can be Cold, Warm or Hot Standby.
HTML	Acronym for "Hyper-Text Markup Language"
HTTP	Acronym for "Hyper-Text Transfer Protocol"
IM	Acronym for "Instant Messaging"
IP Address	A dotted quad numerical designation for a host, i.e., computer, within a TCP/IP network, e.g., 192.168.1.1

JAX	Acronym for "Java API for XML"
SAX	Acronym for "Simple API for XML" an event-driven parsing specification for XML
JAXB	Acronym for "Java API for XML Binding"
JAXM	Acronym for "Java API for XML Messaging"
JAXP	Acronym for "Java API for XML Processing"
JAX-RPC	Acronym for "Java API for XML Remote Procedure Calls"
LAN	Acronym for "Local Area Network"
Load Balancing	The process by which requests / users requests are sent to the server / printer with the least load and away from servers too busy to handle additional requests.
MM	Manual Masking. A "pseudo" (and weak) form of HA, which has replication built into the system, but requires manual detection and recovery action, and so does not satisfy the HA condition of automatic masking.
MOM	Acronym for "Message-Oriented Middleware"
NAT	Acronym for "Network Address Translation". A technology that supports routing of IP addresses across disparate subnets in support of indirect paths and often DHCP.
NCIC	FBI's National Crime Information Center
NIC	Acronym for "Network Interface Card"
NLETS	National Law Enforcement Telecommunications System
ORI	Acronym for "Originating Agency Identifier". This identifier is assigned by the FBI to criminal justice agencies.
PDC	Acronym for "Primary Data Center"
RDBMS	Acronym for "Relational Database Management System"
RMS	Acronym for "Record Management System:
Servlet	A persistent process designed to respond to HTTP requests on the back-end of a Servlet-Enabled HTTP server. Servlets run within a Servlet Container such as Apache.org's Tomcat.

SOAP	<p>Formerly an acronym for "Simple Object Access Protocol"</p> <p>SOAP version 1.2 provides the definition of an XML document which can be used for exchanging structured and typed information between peers in a decentralized, distributed environment. It is fundamentally a stateless, one-way message exchange paradigm, but applications can create more complex interaction patterns (e.g., request/response, request/multiple responses, etc.) by combining such one-way exchanges with features provided by an underlying transport protocol and/or application-specific information. SOAP is silent on the semantics of any application-specific data it conveys, as it is on issues such as the routing of SOAP messages, reliable data transfer, firewall traversal, etc. However, SOAP provides the framework by which application-specific information may be conveyed in an extensible manner. Also, SOAP provides a full description of the expected actions taken by a SOAP processor on receiving a SOAP message</p>
UCJIS	Acronym for "Utah Criminal Justice Information System"
UDC	Acronym for "Utah Department of Corrections"
WAN	Acronym for "Wide Area Network"
XML	Acronym for "Extensible Markup Language"
XSL	Acronym for "Extensible Stylesheet Language"
XSLT	Acronym for "Extensible Stylesheet Language Transformations"

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